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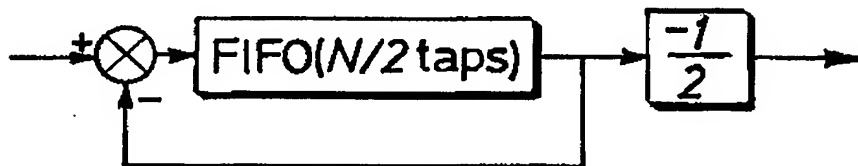
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(54) Title: REPETITIVE CONTROLLER AND DRIVE SERVO SYSTEM INCLUDING IT



(57) **Abstract:** The invention generally relates to the field of repetitive controllers for suppressing periodic signals with half-wave symmetry and, more specifically, to a repetitive controller having the form of a memory loop fed with a periodic signal of period NT and in which the memory size includes

N/2 memory elements, the feedback connection is negative and a factor of  $-\frac{1}{2}$  is provided at the output of the memory loop. Such a repetitive controller may be used for instance in the disturbance compensation module of a drive servo system in a recording and reproducing apparatus including a head for recording data on a recording medium.



WO 2004/055606 A1